

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001420**Date Inspected:** 31-Aug-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Tower Sub Assembly, Cross Beam #2, Corner**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Office**

Attend to project documentation and downloaded pictures for SMR Eric Tsang.

**Tower Sub-Assemblies**

Lift #4 Tower Internal Double Diaphragms pre-blast inspection for VT and surface repairs performed by ABF QC personnel, Caltrans QA Lumley perform follow-up inspection after final blasting of base metal is completed.

**Cross Beam #2**

Top surface which was previously coated was re-abrasive blasted to Base Metal and an SSPC SP-10 condition and Interzinc 22 re-applied. This was resultant of previously applied Interzinc 22 exceeded recoat maximum timeframe as stated in International Protective Coatings technical documentation for over-coating with Interfine 979. Concurrent with the final blast inspection internal surfaces were also re-abrasive blasted and Interzinc 22 re-applied to damaged areas.

**Corner Unit Sub Assembly**

Base metal surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied to faying surfaces prior to assemblage. Unit code is: DP699A.

**Training**

ZPMC applicators and Quality Control personnel attend a training seminar administered by International Protective Coatings to assist ZPMC in proper spray application techniques of Interfine 979.

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## SOURCE INSPECTION REPORT

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Lift 3 East

ZPMC personnel water washing internal surfaces coated with Interzinc 22 for pending repairs and inspections.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

### Summary of Conversations:

No relevant conversations on this day.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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